

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **AP-5150-B**

PRODUCT TYPE: Solvented curative solution, part 'B' of product applied only as 'A' + 'B' mixture

Simmons Industries, Inc.  
16040 Central Commerce Drive  
Pflugerville, TX 78660 USA

**Emergency (INFOTRAC):**

Customer Service:

**(800) 535-5053**

**Contract #**

**84577**

**(877) 395-4637**

**(512) 990-8808**

EFFECTIVE: 01/19/15  
SUPERCEDES: 11/0/10

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT % LESS THAN	ACGIH TWA	ACGIH STEL	OSHA TWA	OSHA CEILING	UNITS
Methyl Ethyl Ketone	78-93-3	80	200	300	200	300	ppm
Dimethylformamide	68-12-2	15	10 (skin)	N.E.	10 (skin)	N.E.	ppm
Aromatic Amine	Proprietary	15	N.E.	N.E.	N.E.	N.E.	ppm

## SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Flammable liquid and vapor. May cause skin, eye, and respiratory irritation with shortness of breath and chest tightness.

### EFFECTS OF ACUTE OVEREXPOSURE:

**EYE CONTACT:** Irritation, may be severe.

**SKIN CONTACT:** Irritation typically shown by reddening; but swelling, rash, scaling, or blistering is possible with certain individuals, moderate defatting of skin, dermatitis.

**INHALATION:** Irritation or burning sensation of the mucous membranes and/or respiratory tract (nose, throat, lungs) causing runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function, central nervous system effects which typically include dizziness, weakness, fatigue, nausea, and headache, however, unconsciousness and even death are also possible.

**INGESTION:** Possible irritation and corrosive action in the mouth, stomach tissue, and digestive tract. Symptoms can include ore throat, abdominal pain, nausea, vomiting, and diarrhea.

### EFFECTS OF CHRONIC OVEREXPOSURE:

**EYE CONTACT:** Possible conjunctivitis causing pain, tearing, reddening, and swelling.

**SKIN CONTACT:** Sensitization which can be either temporary or permanent.

**INHALATION:** Possible lung damage (including decrease in lung function) which may be permanent. Chronic overexposure to solvents can cause liver abnormalities, kidney, lung, and spleen damage.

**PRIMARY ROUTE(S) OF ENTRY:** INHALATION, SKIN CONTACT, EYE CONTACT

## SECTION 4 - FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of fresh water for at least 15 minutes. Hold the eyelids open all of the time. Seek medical attention quickly.

**SKIN CONTACT:** Remove contaminated clothing immediately. Wash affected areas thoroughly with soap, or tincture of green soap, and water for at least 15 minutes. Wash clothing thoroughly before reuse. For severe exposures, get under a safety shower after removing clothing, get medical attention, and consult a physician.

**INHALATION:** Removed affected persons to fresh air. If breathing is difficult, administer oxygen. Seek medical attention. Asthmatic-type symptoms may develop, and may be immediate or delayed up to several hours.

**INGESTION:** Immediately drink two glasses of water or milk. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

\* **NOTE TO PHYSICIAN:** EYES: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation frequently. Workplace vapors have produced reversible corneal epithelial edema impairing vision. SKIN: This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. INGESTION: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound. RESPIRATORY: This compound is a known pulmonary sensitizer. Treatment is essentially symptomatic. An individual having a skin or pulmonary sensitization reaction to this material should be removed from exposure to any isocyanate material.

## SECTION 5 - FIRE FIGHTING MEASURES

**FLASH POINT:** 25°F (-4°C) S.C.C. (MEK component)

**LOWER EXPLOSIVE LIMIT:** 1.8% (MEK component)

**UPPER EXPLOSIVE LIMIT:** 11.5% (MEK component)

**AUTOIGNITION TEMPERATURE:** 860°C (460°C) (MEK component)

**OSHA FLAMMABILITY CLASSIFICATION:** Flammable liquid - Class 1B

**EXTINGUISHING MEDIA:** Alcohol foam, Carbon dioxide, Dry chemical, or Water spray (fog)

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Low flash point. MEK vapors are heavier than air, and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from the material handling point. All containers with this material should be electrically grounded.

**SPECIAL FIREFIGHTING PROCEDURES:** Wear self-contained breathing apparatus with full facepiece operated in the positive pressure demand mode when fighting fires.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Contain any spills with dikes or absorbents to prevent migration into sewers, soil, or streams. Collect small spills with dry chemical absorbent. Large spills may be collected with pump and vacuum, and concluded with dry chemical absorbent. Contaminated soil may require excavation removal. Eliminate all ignition sources. Safely stop spill at its source if possible. If runoff occurs, notify proper authorities, as required, that a spill has occurred. *Persons not wearing the proper protective equipment should be excluded from the area of the spill until cleanup has been completed.*

## SECTION 7 - HANDLING AND STORAGE

**HANDLING:** Keep containers closed when not in use. Use proper handling precautions designated for a very flammable substance. All label precautions must be observed when handling or transporting empty containers due to product residues. Neutralize residues with the appropriate substances for this material. Do not smoke or use ignition sources where this product is stored or used.

**STORAGE:** Keep away from heat, sparks, and open flame. Store in tightly sealed containers away from moisture and direct sunlight. Store at temperatures less than 120°F (49°C). . This material has a shelf life of one year minimum.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

**RESPIRATORY PROTECTION:** If working in conditions where PEL is exceeded, use a chemical cartridge mask, or air supply hood as required and/or approved by ANSI and OSHA. A NIOSH/MSHA approved supplied-air respirator is preferable. A cartridge respirator may be appropriate in certain circumstances where airborne monitoring demonstrates vapor levels below ten times the applicable exposure limits, and where organic solvents are present in the product to provide adequate warning properties. Isocyanate materials have poor warning (odor threshold) properties, therefore, cartridge respirators are NOT recommended. For emergencies, confined spaces, or other conditions where exposure limits may be greatly exceeded, an approved air-supplied respirator is required. Observe OSHA regulations (29CFR 1910.134) for respirator use.

**SKIN PROTECTION:** Wear resistant material equipment (consult your safety equipment supplier).

**EYE PROTECTION:** Chemical splash goggles in compliance with OSHA regulations are advised; However, OSHA regulations also permit other type safety glasses (consult your safety equipment supplier).

**OTHER PROTECTIVE EQUIPMENT:** To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT :</b>	175°F (79°C)	<b>VAPOR DENSITY :</b>	Not Determined
<b>APPEARANCE :</b>	Thin amber liquid	<b>ODOR THRESHOLD :</b>	Not Determined
<b>PHYSICAL STATE :</b>	Liquid (with flammable vapors)	<b>EVAPORATION RATE :</b>	> 3.0 (v. n-Butyl Acetate) (MEK component)
<b>ODOR :</b>	Sweet sharp	<b>SPECIFIC GRAVITY :</b>	0.87
<b>SOLUBILITY IN H<sub>2</sub>O :</b>	Insoluble	<b>pH :</b>	Not Applicable
<b>FREEZE POINT :</b>	Not Determined	<b>VAPOR PRESSURE :</b>	Not Determined
<b>VOLATILE BY WEIGHT :</b>	83 %	<b>VOC:</b>	5.98 lbs./gal. (712 g/L)

#### SECTION 10 - STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** High temperatures, sources of ignition.

**INCOMPATIBILITY:** Strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** By high heat and fire: smoke containing carbon monoxide, carbon dioxide, oxides of nitrogen, and solvent vapors.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**STABILITY:** Stable.

#### SECTION 11 - TOXICOLOGICAL INFORMATION

Contains dimethylformamide, a material classified as IARC 2B, a potential carcinogen. No evidence has shown it to be a human carcinogen.

#### SECTION 12 - ECOLOGICAL INFORMATION

No data available.

#### SECTION 13 - DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Disposal should be done in accordance with Federal (40CFR Part 261), state, and local environmental control regulations. If waste containing this product is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

Meets RCRA's characteristic definition of ignitability.

#### SECTION 14 - TRANSPORTATION INFORMATION

<b>DOT SHIPPING NAME:</b> Adhesive	<b>EMERGENCY RESPONSE GUIDE NUMBER:</b> 126
<b>HAZARD CLASS:</b> IATA/49CFR: 3 IMO: 3.2	<b>UN/NA NUMBER:</b> UN1133
<b>PACKING GROUP:</b> II	

#### SECTION 15 - REGULATORY INFORMATION

##### U.S. FEDERAL:

OSHA: Hazardous by definition of the Hazard Communication Standard (29 CFR 1910.1200).

SARA SECTION 302: N.A.

SARA SECTION 313:  
Methyl Ethyl Ketone (78-93-3), Dimethylformamide (68-12-2)

TSCA Section 8 (d) (Data Reporting Rule):

Methyl Ethyl Ketone (78-93-3)

INVENTORY STATUS - This material is on the TSCA inventory.

**STATE RIGHT-TO-KNOW:**

CA: Prop. 65: N.A.

PA: Methyl Ethyl Ketone (78-93-3), Dimethylformamide (68-12-2), Trimethylene glycol di-p-aminobenzoate (57609-64-0)

**CANADA:**

This is a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).  
Class B Div. 2, Class D Div. 2 Sub. B, Class D Div. 2 Sub A.

CEPA - NPRI:

Methyl Ethyl Ketone (78-93-3), Dimethylformamide (68-12-2)

<b>SECTION 16 - OTHER INFORMATION</b>
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**HMIS RATINGS:** HEALTH 2 (Chronic)    FLAMMABILITY 3    REACTIVITY 0

**KEY:** N.E.=Not Established    N.A.=Not Applicable    N.D.=Not Determined

**NOTE:** The data in this Material Safety Data Sheet relates only to the material designated herein, and does not relate to use in combination with any other material, or in any process. The information herein is furnished free of charge, and is based upon technical data that Technical Urethanes, Inc. believes to be reliable, and to the best of our knowledge, accurately reflects the properties and effects of the hazardous components. This product is intended for use by persons having technical skills, and at their own discretion and risks. Because conditions of use of this material are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this material.

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